

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS)
FOR
SUPPRESSOR ELECTRICAL, TRANSIENT MX-7778/GRC
(NSN 5915-00-937-9564)

TECHNICAL MANUAL }
No. 11-5915-223-24P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 1 November 1978

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
SUPPRESSOR ELECTRICAL, TRANSIENT MX-7778/GRC
(NSN 5915-00-937-9584)**

Current as of 14 June 1978

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*This manual supersedes TM 11-5915-223-24P, 23 November 1976.

SECTION I INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the MX-7778/GRC. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source code indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA —	Item procured and stocked for anticipated or known usage.
PD —	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfitting.

<i>Code</i>	<i>Definition</i>
XD —	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
O —	Support item is removed, replaced, used at the organizational level.
H —	Support item is removed, replaced, used at the general support level.
D —	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

<i>Code</i>	<i>Application/Explanation</i>
H —	The lowest maintenance level capable of complete repair of the support item is the general support level.
Z —	Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

<i>Recoverability codes</i>	<i>Definition</i>
Z —	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

Recoverability
Codes

Definition

H — Repairable item. When uneconomically repairable, condemn and dispose at the general support level.

c. *National Stock Number*. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. *Part Number*. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. *Federal Supply Code for Manufacturer (FSCM)*. The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. *Description*. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. *Unit of Measure (U/M)*. Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. *Quantity Incorporated in Unit*. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

The following publications pertain to the MX-7778/GRC and its components:

TM 11-5915-223-12, Suppressor, Electrical Transient MX-7778/GRC

TM 11-5915-223-35, Electrical Transient Suppressor MX-7778/GRC

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First*. Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second*. Find the illustration covering the functional group to which the item belongs.

(3) *Third*. Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth*. Using the Repair Parts Listing, find the figure and item number noted on the illustration,

b. When National stock number or part number is known.

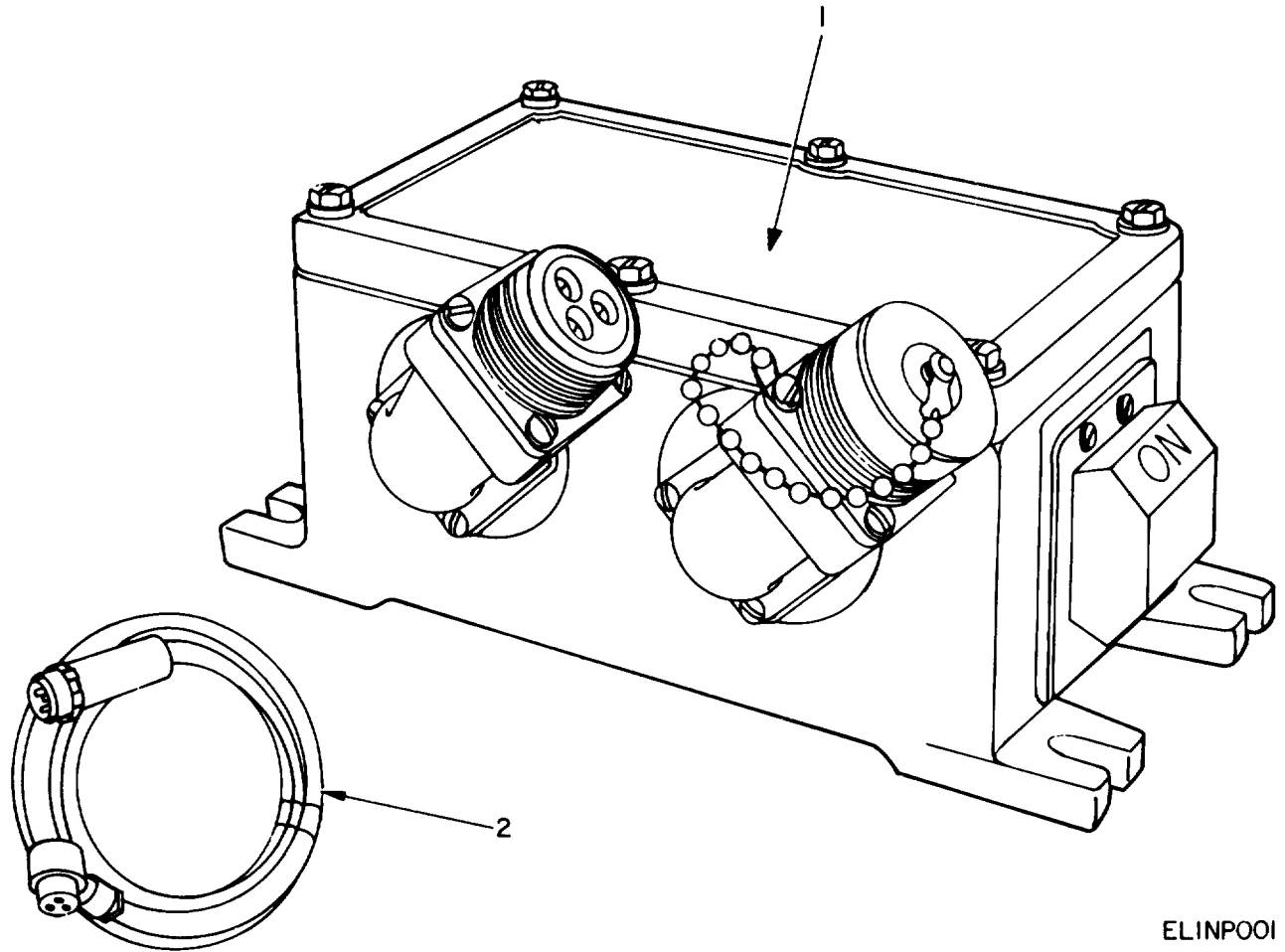
(1) *First*. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second*. After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 5)



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Figure 1. Suppressor, Electrical Transient MX-7778/GRC

SECTION II

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						<i>USABLE ON CODE</i>		
1	1	PDOHH	5915-00-937-9477	MX7777AGRC	80058	SUPPRESSOR, ELECTRICAL TRANSIENT	EA	1
1	2	PAOHH	5995-00-935-2551	CX10613G	80058	CABLE ASSEMBLY, SPECIAL PURPOSE	EA	1
						GROUP 00 SUPPRESSOR, ELECTRICAL TRANSIENT MX-7778/GRC		

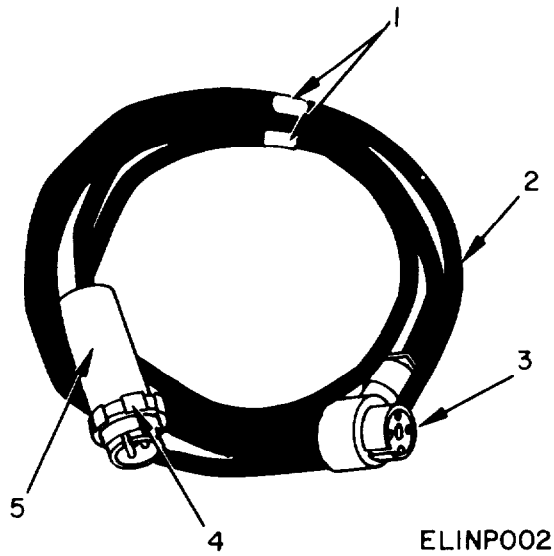
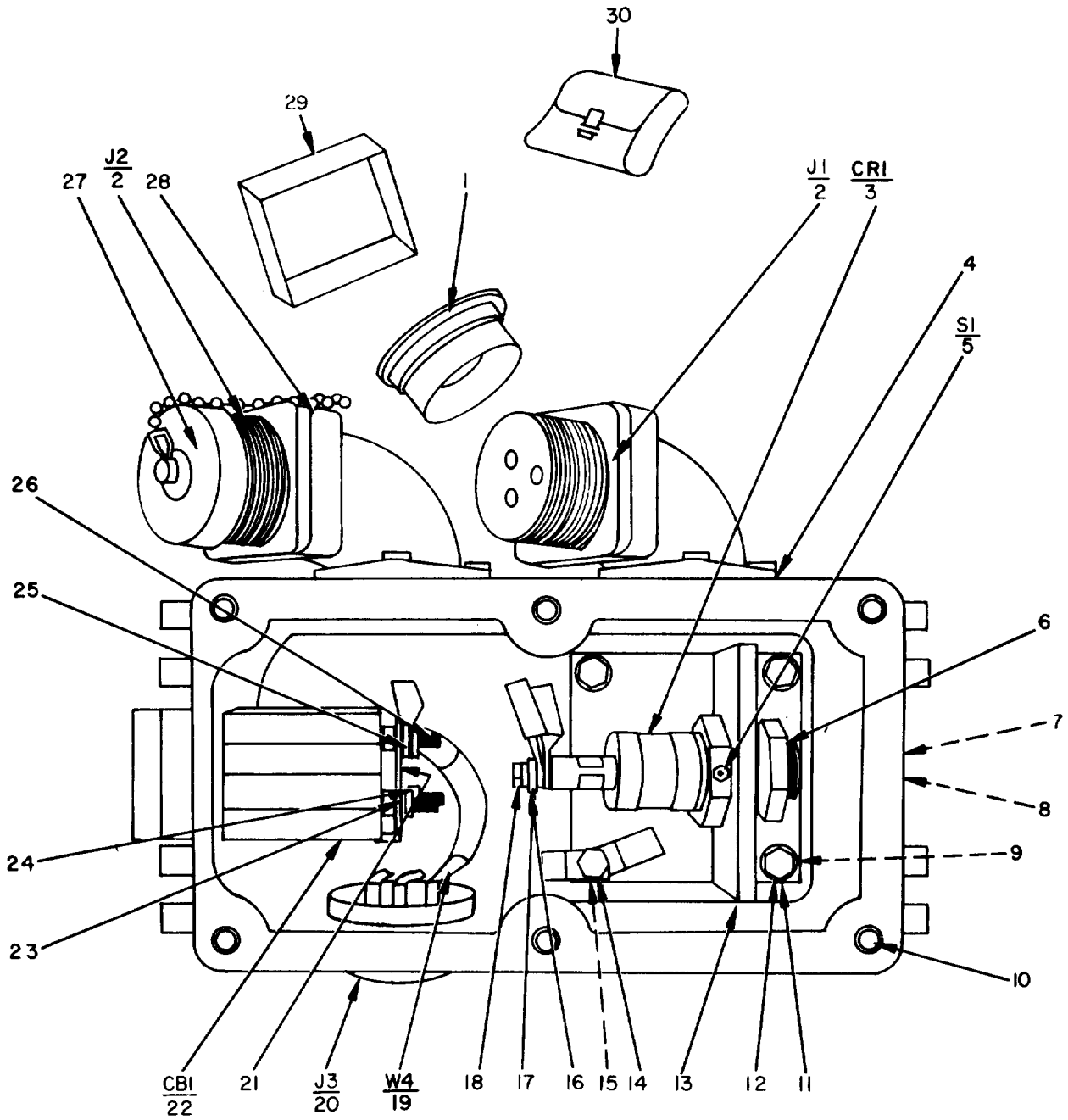


Figure 2. Cable Assembly, Special Purpose CX-10613/G.

SECTION II

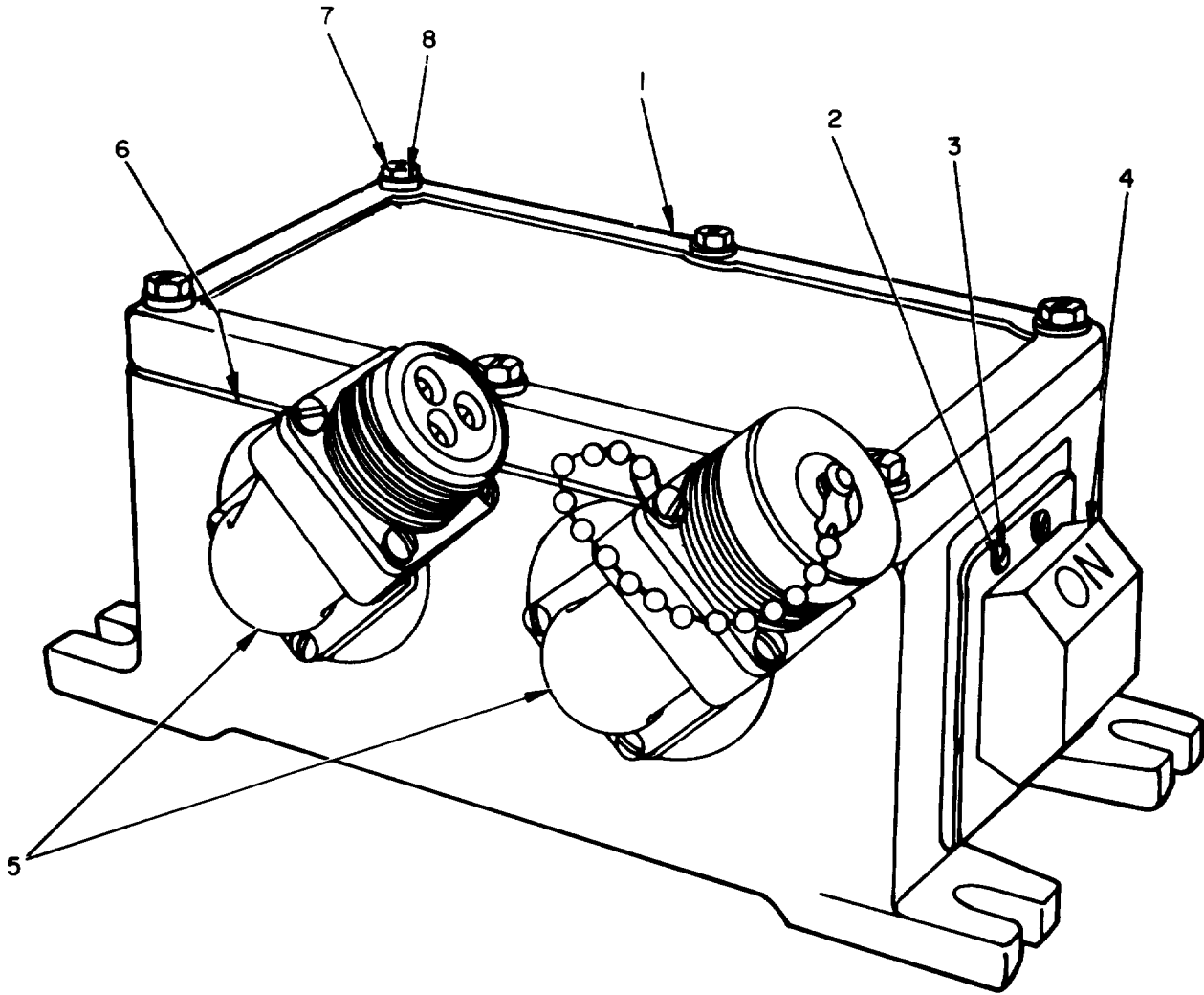
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(B) FIG NO.	(D) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U M	QTY INC IN UNIT
						GROUP 01 CABLE ASSEMBLY, SPECIAL PURPOSE CX-10613/G		
2	1	XDMZZ		SCB34065	80063	BAND, IDENTIFICATION	EA	2
2	2	PADMH	6145-00-265-6190	C0212	81349	CABLE, SPECIAL PURPOSE ELECTRICAL	EA	1
2	3	PAHZZ	5935-00-977-1159	UWI220FA19	81349	CONNECTOR, PLUG, ELECTRICAL	FA	1
2	4	PAHZZ	5935-00-856-8426	SMC632655	80063	CONNECTOR, PLUG, ELECTRICAL	EA	1
2	5	PAHZZ	5935-00-892-8931	SMC632656	80063	ADAPTER, CONNECTOR	FA	1



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Figure 3. Suppressor, Electrical Transient MX-7777A/GRC.

(1) ILLUSTRATION (A) FIG NO.	(2) (B) ITEM NO.	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	(6) FSCM USABLE ON CODE	(7) UOC U/M	(8) QTY INC IN UNIT
GROUP 02 SUPPRESSOR, ELECTRICAL TRANSIENT							
MX-777A/GRC							
3	1	PAHZZ	5340-00-437-6461	MS90376-22R	96906 CAP, DUST, MOISTURE SEAL	EA	1
3	2	PAHZZ	5935-00-007-4492	SMC632665	80063 CONNECTOR, RECEPTACLE, ELECTRICAL	EA	2
3	3	PAHZZ	5961-00-111-8634	SMC632670	80063 SEMICONDUCTOR DEVICE, ASSEMBLY DIODE	EA	1
3	4	PAHZZ	5340-00-368-4708	MS122079	96906 INSERT, SCREW THREAD	EA	8
3	5	PAHZZ	5930-00-832-4767	SMC632671	80063 SWITCH, THERMOSTATIC	EA	1
3	6	PAHZZ	5310-00-448-4676	SMB632700	80063 NUT ASSEMBLED WASHER	EA	1
3	7	XDHZZ		SMD632683	80063 PLATE IDENTIFICATION	EA	1
3	8	PAHZZ	5305-00-253-5609	MS21318-13	96906 SCREW, DRIVE	EA	4
3	9	PAHZZ	5340-00-200-7224	MS122081	96906 INSERT, SCREW THREAD	EA	4
3	10	XDHZZ		MS122121	96906 INSERT, SCREW THREAD	EA	6
3	11	PAHZZ	5310-00-809-4058	MS27183-10	96906 WASHER, FLAT	EA	8
3	12	XDHZZ		MS35291-6	96906 SCREW, CAP, HEXAGON HEAD	EA	3
3	13		SMC632668	80063	BRACKET, 1EA	1	
3	14	PAHZZ	5305-00-068-0498	MS90725-1	96906 SCREW, CAP, HEXAGON HEAD	EA	1
3	15	PAHZZ	5310-00-582-5965	MS35338-44	96906 WASHER, LOCK	EA	4
3	16	PAHZZ	5310-00-933-8120	MS35338-138	96906 WASHER, LOCK	EA	1
3	17	PAHZZ	5310-00-419-6567	SMB632702	80063 WASHER, FLAT	EA	1
3	18	PAHZZ	5305-00-206-3537	10397	82423 SCREW, CAP, HEXAGON HEAD	EA	1
3	19	XDHZZ		SMC632676	80063 WIRE ASSEMBLY	EA	1
3	20	PAHZZ	5935-00-201-3998	UW2020MA00	81349 CONNECTOR, RECEPTACLE, ELECTRICAL	EA	1
3	21	XDDZZ		SMB632675	80063 BUSS BAR	EA	1
3	22	PAHZZ	5925-00-937-9570	SMC632672	80063 CIRCUIT BREAKER	EA	1
3	23	XDHZZ		SMB632694-1	80063 WASHER, LOCK	EA	4
3	24	XDHZZ		MS35305-27	96906 SCREW, MACHINE, BINDING HEAD	EA	4
3	25	XDHZZ		SMB632694-1	80063 WASHER, LOCK	EA	12
3	26	PAHZZ	5305-00-150-3425	MS51957-46B	96906 SCREW, MACHINE, BINDING HEAD	EA	12
3	27	PAHZZ	5935-00-577-8589	SMB632696	80063 COVER, CONNECTOR, RECEPTACLE	EA	1
3	28	PAHZZ	5330-00-641-8082	SMC632667	80063 GASKET, CONNECTOR	EA	4
3	29	XDHHH		SMC632680	80063 COVER ASSEMBLY, SUPPRESSOR	EA	1
3	30	XDHZZ		SMD632654	80063 INSTALLATION KIT	EA	1

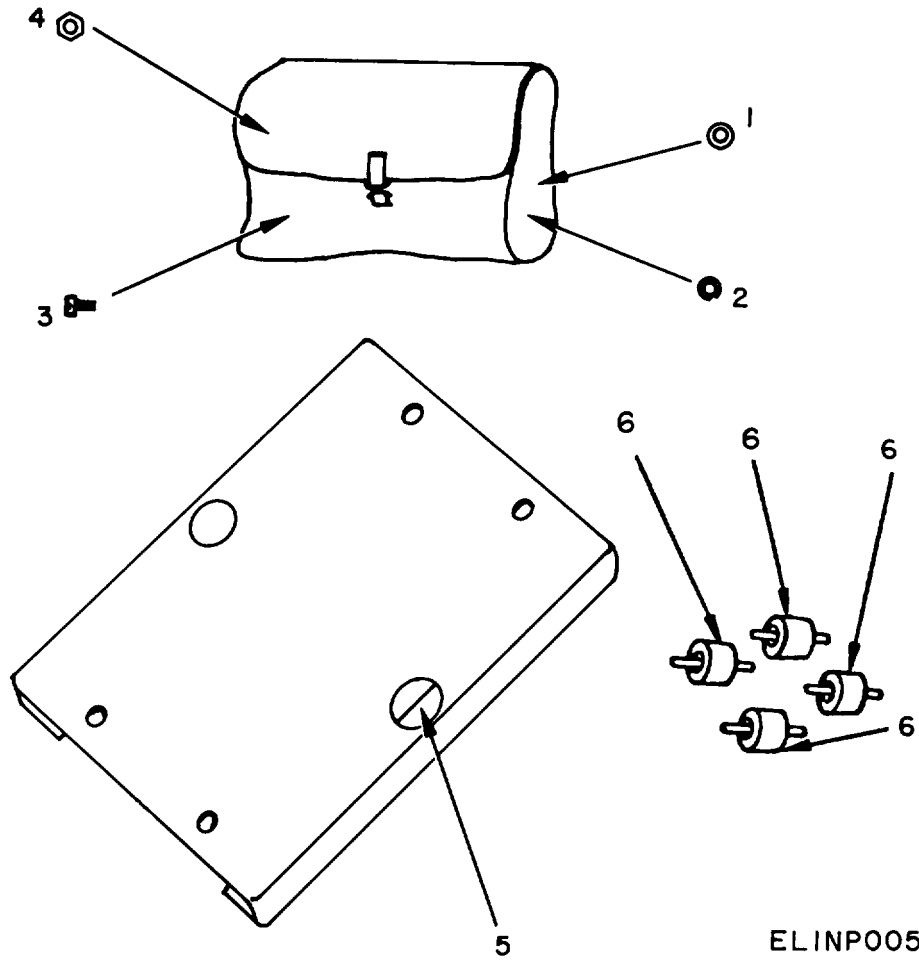


ELINPO04

Figure 4. Cover Assembly.

SECTION II

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U M	QTY INC IN UNIT
GROUP 0201 COVER ASSEMBLY								
4	1	XDHZZ		SMD632681	80063	COVER SUPPRESSOR	EA	1
4	2	PAHZZ	5310-00-421-7908	SMB632687	80063	WASHER, LOCK	EA	4
4	3	PAHZZ	5305-00-137-7932	SMB632686	80063	SCREW, MACHINE BINDING HEAD	EA	4
4	4	PAHZZ	5925-00-979-5855	SMB632698	80063	BOOT ASSEMBLY, DUST AND MOISTURE SEAL	EA	1
4	5	PAHZZ	5935-00-003-8099	SMC632666	80063	ELBOW, CONNECTOR	EA	2
4	6	PAHZZ	5330-00-524-0464	SMC632682	80063	GASKET, COVER	EA	1
4	7	XDHZZ		SMB632692	80063	SCREW, CAP, HEXAGON HEAD	EA	6
4	8	PAHZZ	5310-00-243-4764	SMB632669-2	80063	WASHER, LOCK	EA	6



ELINP005

Figure 5. Installation Kit.

SECTION II

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
						GROUP 0202 INSTALLATION KIT		
5	1	PAHZZ	5310-00-625-5756	MS15795-812	96906	WASHER, FLAT	EA	4
5	2	PAHZZ	5310-00-470-3211	SM8632688	80063	WASHER, LOCK	EA	10
5	3	PAHZZ	5306-00-448-4671	SM8632693	80063	SCREW, CAP, HEXAGON HEAD	EA	10
5	4	PAHZZ	5310-00-939-2655	MS51972-2	96906	NUT, PLAIN, HEXAGON	EA	10
5	5	XDDZZ		SMC632653	80063	TEMPLATE HOLE MOUNTING	EA	1
5	6	XDNZZ		SM8632652	80063	MOUNT SUPPRESSOR	EA	4

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

NOTE: LATEST PART NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX.

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5935-00-003-8099	4	5	5306-00-448-5		3
5935-00-007-4492	3	2	5310-00-448-3		6
			5310-00-470-5		2
5305-00-068-0498	3	14	5330-00-524-4		6
5961-00-111-8634	3	3	5935-00-577-3		27
5305-00-137-7932	4	3	5310-00-582-3		15
			5310-00-625-5		1
5305-00-150-3425	3	26	5330-00-641-3		28
5340-00-200-7224	3	9	5310-00-809-3		11
5935-00-201-3998	3	20	5930-00-832-3		5
5305-00-206-3537	3	18	5935-00-856-2		4
			5935-00-892-2		5
			5310-00-933-3		16
5310-00-243-4764	4	8	5995-00-935-1		2
5305-00-253-5609	3	8	5925-00-937-3		22
6145-00-265-6190	2	2	5915-00-937-1		1
5340-00-368-4706	3	4	5310-00-939-5		4
5310-00-419-6567	3	17	5935-00-977-2		3
5310-00-421-7908	4	2	5925-00-979-4		4
5340-00-437-6461	3	1			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CX10613G	80058	1	2				
C0212	81349	2	2	SMB632698	80063	4	4
MS122079	96906	3	4	SMB632700	80063	3	6
MS122081	96906	3	9	SMB632702	80063	3	17
MS122121	96906	3	10	SMC632653	80063	5	5
MS15795-812	96906	5	1	SMC632655	80063	2	4
MS21318-13	96906	3	8	SMC632656	80063	2	5
MS27183-10	96906	3	11	SMC632665	80063	3	2
MS35291-6	96906	3	12	SMC632666	80063	4	5
MS35305-27	96906	3	24	SMC632667	80063	3	28
MS35338-138	96906	3	16	SMC632668	80063	3	13
MS35338-44	96906	3	15	SMC632670	80063	3	3
MS51957-46B	96906	3	26	SMC632671	80063	3	5
MS51972-2	96906	5	4	SMC632672	80063	3	22
MS7777AGRC	80058	1	1	SMC632676	80063	3	19
MS90376-22R	96906	3	1	SMC632680	80063	3	29
MS90725-1	96906	3	14	SMC632682	80063	4	6
SCB34065	80063	2	1				
SMB632675	80063	3	21	SMD632652	80063	5	6
SMB632686	80063	4	3	SMD632654	80063	3	30
SMB632687	80063	4	2	SMD632681	80063	4	1
SMB632688	80063	5	2	SMD632683	80063	3	7
SMB632692	80063	4	7	UWI220FA19	81349	2	3
SMB632693	80063	5	3	UW2020MA00	81349	3	20
SMB632694-1	80063	3	23	10397	82423	3	18
SMB632694-1	80063	3	25				

LATEST PART NUMBER ASSIGNMENTS

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
SMB632694-2	80063	4	8
SMB632696	80063	3	27

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



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TM 11-5840-340-12

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23 Jan 74

TITLE

Radar Set AN/PSC-76

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
----------	------------	------------	-----------

2-25	2-28		
3-10	3-3		3-1
5-6	5-8		

FO3

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°.

REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 25 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.

Item 5, Function column. Change "2 db" to "3db."

REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.

Add new step f.1 to read, "Replace cover plate removed in step e.1, above."

REASON: To replace the cover plate.

Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."

REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

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